

WHAT IS CLAIMED IS:

1. A method of generating a variant comprising:

obtaining a nucleic acid comprising a sequence selected from the group
5 consisting of SEQ ID NOS. 1, 2, 5, 9, 13, 25, 27, 29, 31, 33, 37, 41, 45, 57, 59,
61, 63, 65, 67, 71, 75, 79, 3, 7, 11, 15, 17, 19, 21, 23, 35, 39, 43, 47, 49, 51, 53, 55,
69, 73 and 77, the sequences complementary to the sequences of SEQ ID NOS.
1, 2, 5, 9, 13, 25, 27, 29, 31, 33, 37, 41, 45, 57, 59, 61, 63, 65, 67, 71, 75, 79, 3,
7, 11, 15, 17, 19, 21, 23, 35, 39, 43, 47, 49, 51, 53, 55, 69, 73 and 77, fragments
10 comprising at least 30 consecutive nucleotides of SEQ ID NOS. 1, 2, 5, 9,
13, 25, 27, 29, 31, 33, 37, 41, 45, 57, 59, 61, 63, 65, 67, 71, 75, 79, 3, 7, 11, 15, 17,
19, 21, 23, 35, 39, 43, 47, 49, 51, 53, 55, 69, 73 and 77, and fragments comprising
at least 30 consecutive nucleotides of the sequences complementary to SEQ ID
NOS. 1, 2, 5, 9, 13, 25, 27, 29, 31, 33, 37, 41, 45, 57, 59, 61, 63, 65, 67, 71, 75,
15 79, 3, 7, 11, 15, 17, 19, 21, 23, 35, 39, 43, 47, 49, 51, 53, 55, 69, 73 and 77; and

changing one or more nucleotides in said sequence to another nucleotide,
deleting one or more nucleotides in said sequence, or adding one or more
nucleotides to said sequence.

- 20 2. The method of Claim 1, further comprising the step of testing the enzymatic
properties of a translation product of said variant.